

Daily Report

August 6, 2010

R/V Ferrel
Lauren Tom and Krystle Chavarria

1. Arrived at sampling station (07:00).
2. R/V Ferrel should return to port Friday evening and depart for Mission 6 on Saturday.
3. Sampling begins (08:00)
4. Four stations were sampled today with two samples per station.
5. Arrived at Port Fourchon at 23:30
6. Lauren=DNA, RNA, PLFA (MoBio filter), Krystle=AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Culturing, PLFA (Sterivex filter),
7. Sampling Nomenclature

SW-YYYYMMDD-VesselMission#-SampleID
BP-TransectNumber##-SamplingSite##

First station

62 miles WSW. No DO decline or fluorescence peak

SW-20100806-FER5-xx
BP-TN09-SS**06**

1. First sample:
SW-20100806-FER5-**01** (890m)
BP-TN09-SS06
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:
SW-20100806-FER5-**03** (800m)
BP-TN09-SS06
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)

Second station

68 miles WSW. No DO decline or fluorescence peak

SW-20100806-FER5-xx
BP-TN09-SS**07**

1. First sample:
SW-20100806-FER5-**05** (883m)
BP-TN09-SS07
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)

2. Second sample:
SW-20100806-FER5-**07** (730m)
BP-TN09-SS07
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)

Third station

72 miles WSW. No DO decline or fluorescence peak

SW-20100806-FER5-xx
BP-TN09-SS**08**

1. First sample:
SW-20100806-FER5-**09** (871m)
BP-TN09-SS08
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:
SW-20100806-FER5-**11** (670m)
BP-TN09-SS08
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)

Fourth station

74 miles WSW. No DO decline or fluorescence peak.

SW-20100806-FER5-xx
BP-TN09-SS**09**

1. First sample:
SW-20100806-FER5-**13** (890m)
BP-TN09-SS09
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:
SW-20100806-FER5-**15** (800m)
BP-TN09-SS09
 - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L),